

Global Microserver Market Size study, by Component (Hardware, Software) by Function (Intel, AMD, Others) by Organization Size (Large Enterprise, Small and Medium Sized Enterprise) by Application (Data Center, Data Analytics, Cloud Computing, Others) and Regional Forecasts 2022-2032

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Abstracts

Global Microserver Market is valued approximately USD 30.21 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 15.80% over the forecast period 2024-2032. A Microserver is a specialized type of server designed for lightweight computing tasks within data centers or enterprise environments. These servers are characterized by their compact form factor and energy-efficient design, featuring low-power processors, minimal RAM, and storage capacities. Unlike traditional servers, which are typically large and versatile, microservers are optimized for specific functions or services, often as part of a distributed infrastructure. They excel in scenarios where scalability and redundancy are crucial, offering a balance between performance and efficiency. Microservers provide end-users with several advantages, including reduced energy costs and physical space requirements due to their compact size and power efficiency. The trend towards software-defined infrastructure and virtualization is influencing the design and deployment of microservers. Microservers are increasingly being used in software-defined environments to provide flexible and scalable computing resources for virtualized workloads.

The rise of hyperscale data center architecture has significantly boosted the expansion of the microserver market. Hyperscale data centers, colossal facilities geared towards meeting the escalating demand for digital services and cloud computing, necessitate a more efficient and adaptable approach to server management. Traditional, monolithic

servers often prove too cumbersome and power-intensive for hyperscale operations, resulting in increased costs and failures. Conversely, the low power consumption and compact footprint of microservers emerge as pivotal drivers for market growth, offering a fresh avenue for expansion. However, the lack of standardized specifications in the microserver market poses a significant constraint on its growth trajectory during the projected period 2022-2033. Microservers, compact and energy-efficient computing devices tailored for specific tasks, have garnered popularity owing to their scalability and cost-effectiveness.

The key regions considered for the global Microserver market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, North America was the largest regional market. North America has secured the leading market share in the microserver sector, driven by the increasing adoption of edge computing and Internet of Things (IoT) technologies. This trend is fueled by the necessity for decentralized computing resources in North America. However, the Asia-Pacific region is anticipated to witness the most rapid growth in the microserver market. The region is experiencing a surge in demand for data centers and cloud computing services, propelled by heightened internet penetration and digitalization efforts. This escalating need for data processing capabilities is fostering a burgeoning market for microservers, renowned for their energy efficiency and space-saving attributes. The market in Asia Pacific, on the other hand, is expected to develop at the fastest rate over the forecast period.

Major market player included in this report are:

Advanced Micro Devices, Inc.

Dell Inc.

Fujitsu Ltd.

Hewlett Packard Enterprise

Hitachi, Ltd.

IBM Corporation

MiTAC Holdings Corp.

NVIDIA Corporation

Penguin Computing

Super Micro Computer, Inc.

The detailed segments and sub-segment of the market are explained below:

By Component

Hardware

Software

By Function

Intel

AMD

Others

By Organization:

Large Enterprise

Small and Medium Sized Enterprise

By Application:

Data Center

Data Analytics

Cloud Computing

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa
RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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